

Tensioning System for a Mobile Telescopic Crane

Abstract

The invention relates to a tensioning system for a mobile telescopic crane, in which the telescopic mast (7) is outwardly braced via a tensioning means (1, 11), and wherein said tensioning means (1, 11) is guided along or over the telescopic mast (7) and fastened to the telescopic mast (7) in such a way that a pressure bias of the mast (7) is created in the area of the tensioning means guide. The tensile units or winches (3, 17) of a system in accordance with the invention are arranged on the crane superstructure at a distance from the level luffing plane of the telescopic mast (7) of the crane, such that the tensioning means (1, 11) can absorb a substantial proportion of the loads having components perpendicular to the level luffing plane. The tensioning means tensile units or winches (3, 17) of a system in accordance with the invention are arranged on the crane superstructure, such that they can shift.

Figure 5A